

ABSTRACT OF THE DISCLOSURE

An input monitoring system is provided in an optical
amplifying repeater to monitor a level of an optical input
5 signal. A monitored level of the optical input signal is
used to detect a fault on an optical transmission path or to
control a bias current for a laser diode which emits and
supplies an exciting signal for exciting an optical fiber
amplifier. To accurately monitor a level of the optical
10 input signal, the input monitoring system comprises an input
terminal supplied with the optical input signal, an optical
fiber amplifier for amplifying the optical input signal, a
first photo diode for detecting and outputting an electric
signal corresponding a level of the optical input signal, and
15 an optical switch operatively connected to the input termi-
nal, the optical fiber amplifier and first photo diode for
switching the optical input signal alternatively into the
optical fiber amplifier and the first photo diode.